Bill qb Quattlebaum

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Education:

B.S.	1981	North Carolina State University

Computers provide powerful tools for data storage, retrieval and analysis for the scientific staff of The NIEHS. It is my goal to provide cutting edge scientific software matched to the research needs of the individual scientist in The Division of Intramural Research.

Many of these software tools are provided by NCBI, including BLAST, Entrez and other DNA and Protein comparison and modeling algorithms. Access to public databases such as GenBank and the Human Genome give researchers direct access to published sequence data for comparing against newly derived data from their labs.

I provide consulting services for users of such high-level scientific software often beginning before the experimental work is carried out. It is extremely important for data to be collected into a database that allows easy retrieval and access to information when the analysis steps begin. Proper planning for the safe and secure storage of data is mandated by NIH guidelines and safeguarding against unauthorized access while maintaining data integrity is critical for peer reviewed publications.

In maintaining a working knowledge of developing scientific techniques I attend seminars on divers topics such as micro-array technology, data-mining and parallel processing computers. With this knowledge I play a vital role in the bioinformatics and biological research support of the DIR Scientists

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Biostatistics Branch,
Environmental Diseases and Medicine Program,
Division of Intramural Research,
National Institute of Environmental Health Sciences,

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Please send any comments, corrections, or inquires regarding this page to Bill qb Quattlebaum (quattleb@niehs.nih.gov).